

FIG. 1

Replacement Sheet

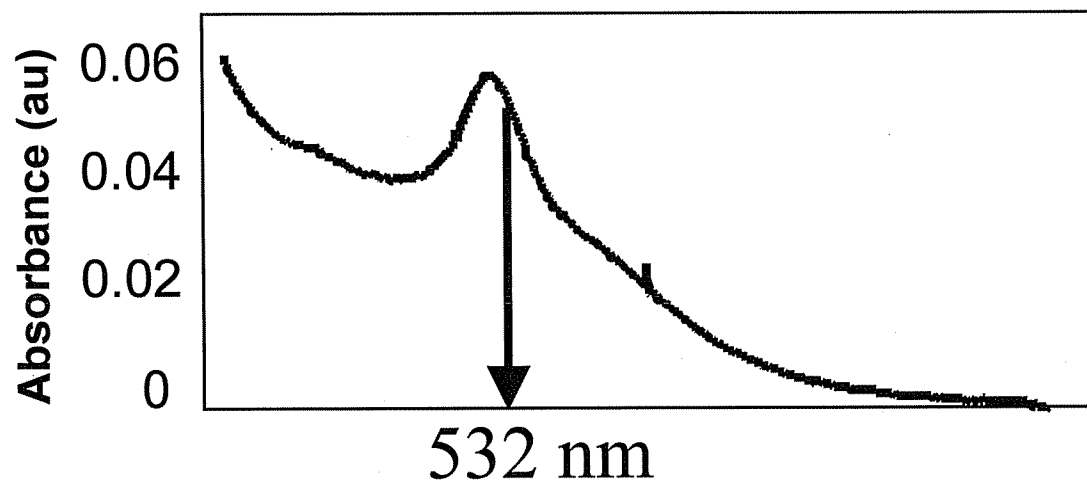


FIG. 2

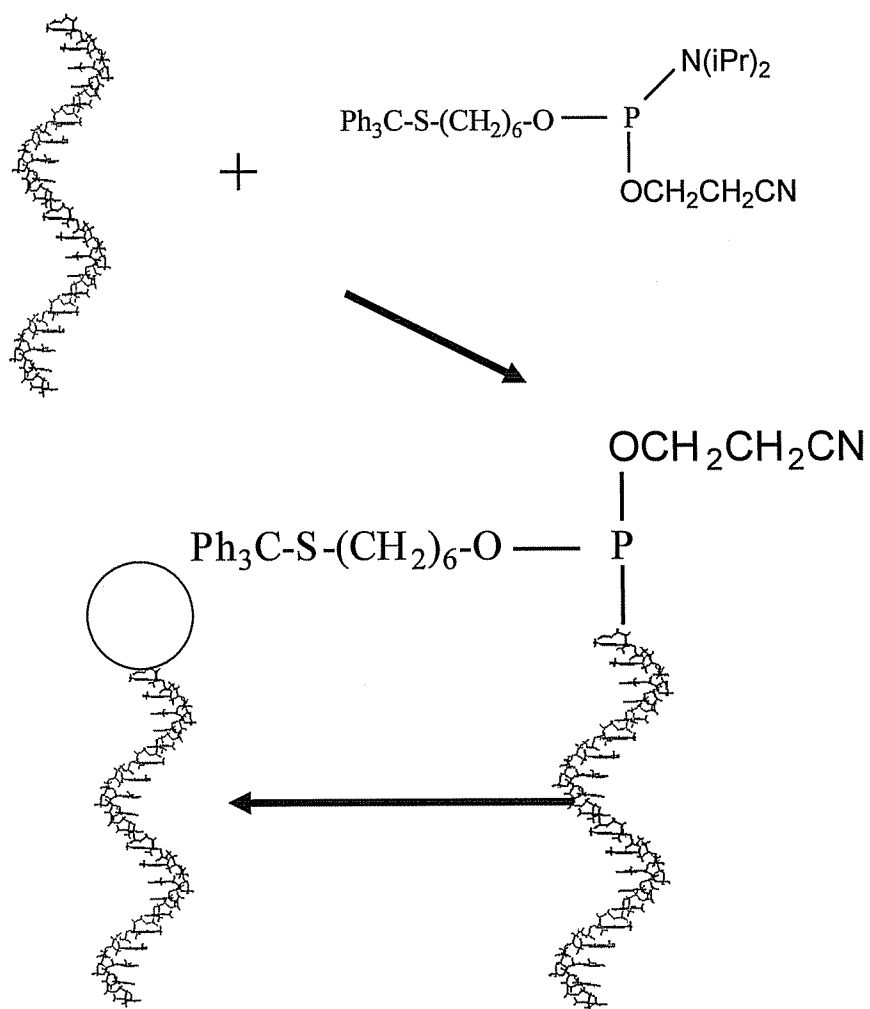


FIG. 3

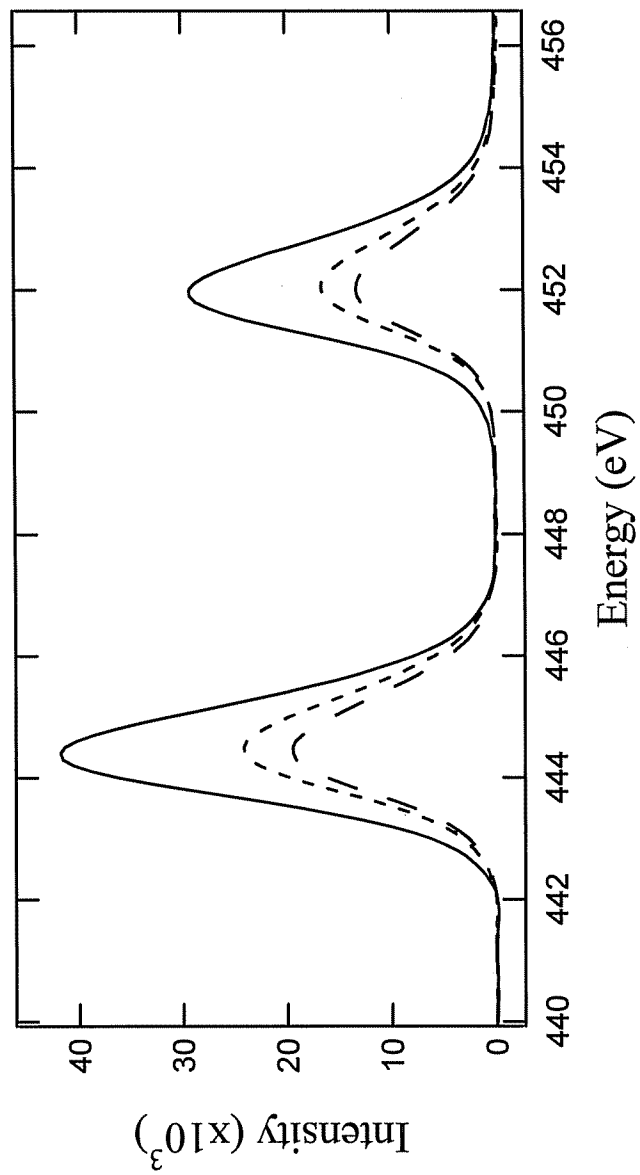


FIG. 5

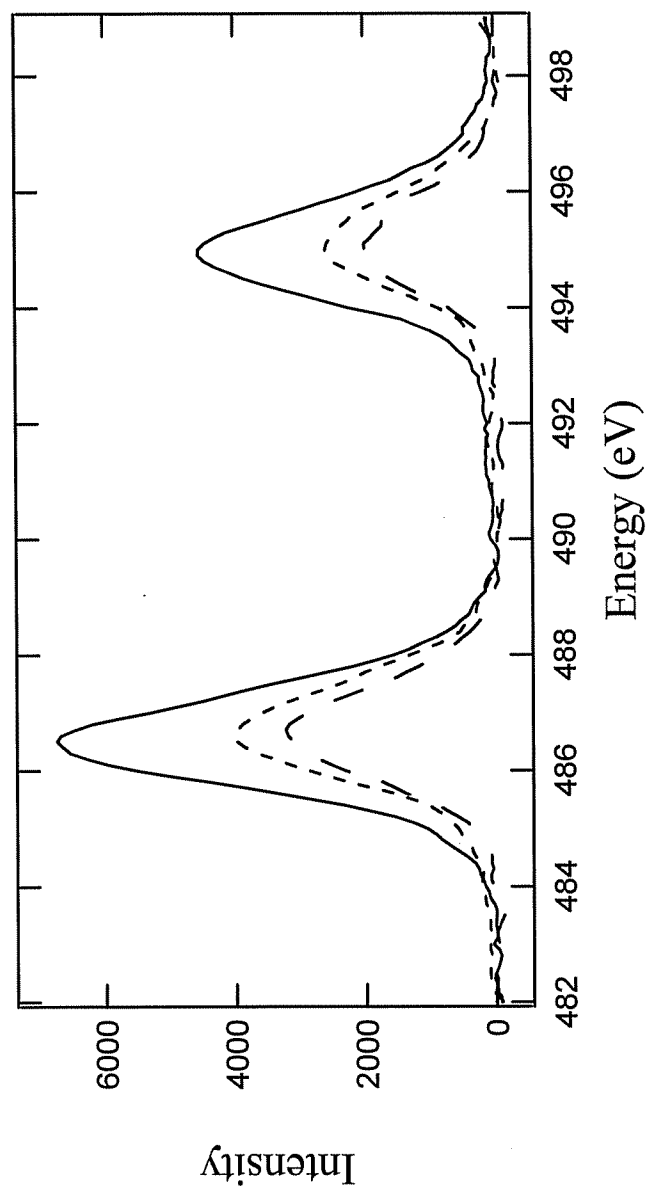


FIG. 6

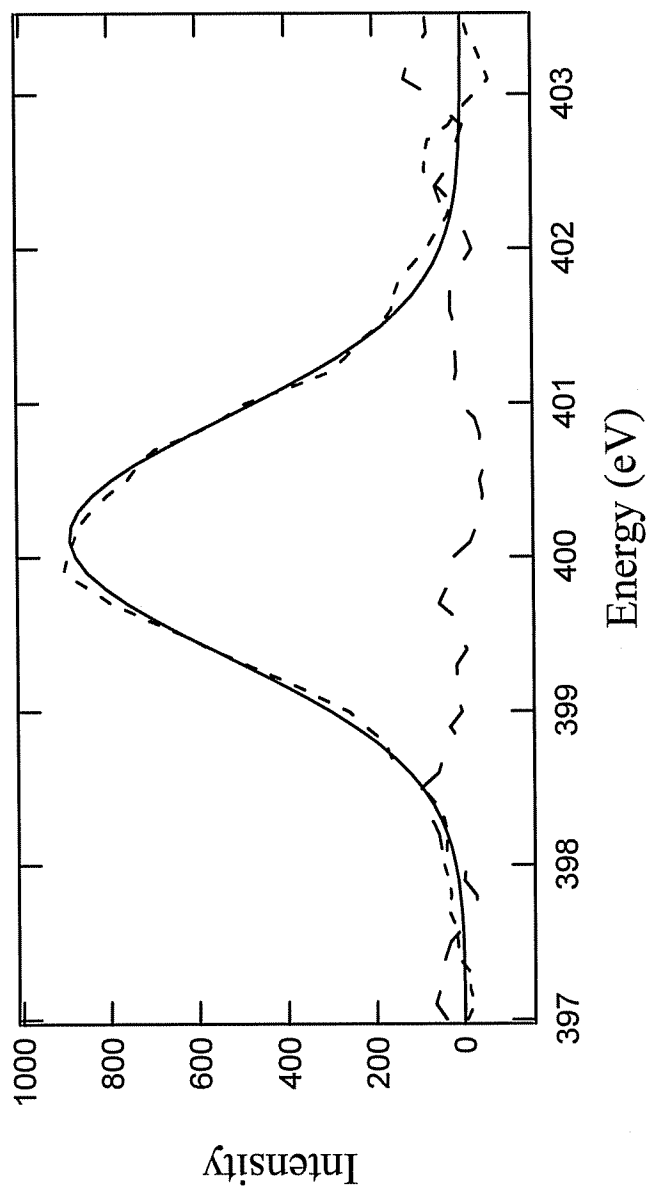


FIG. 7

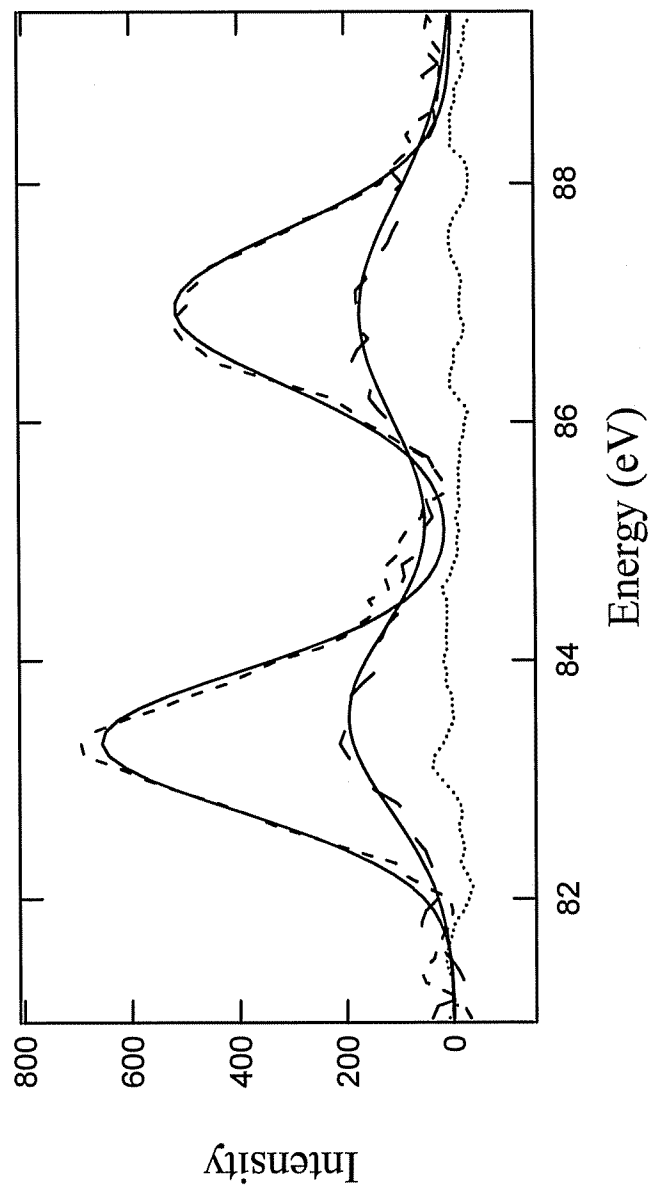


FIG. 8

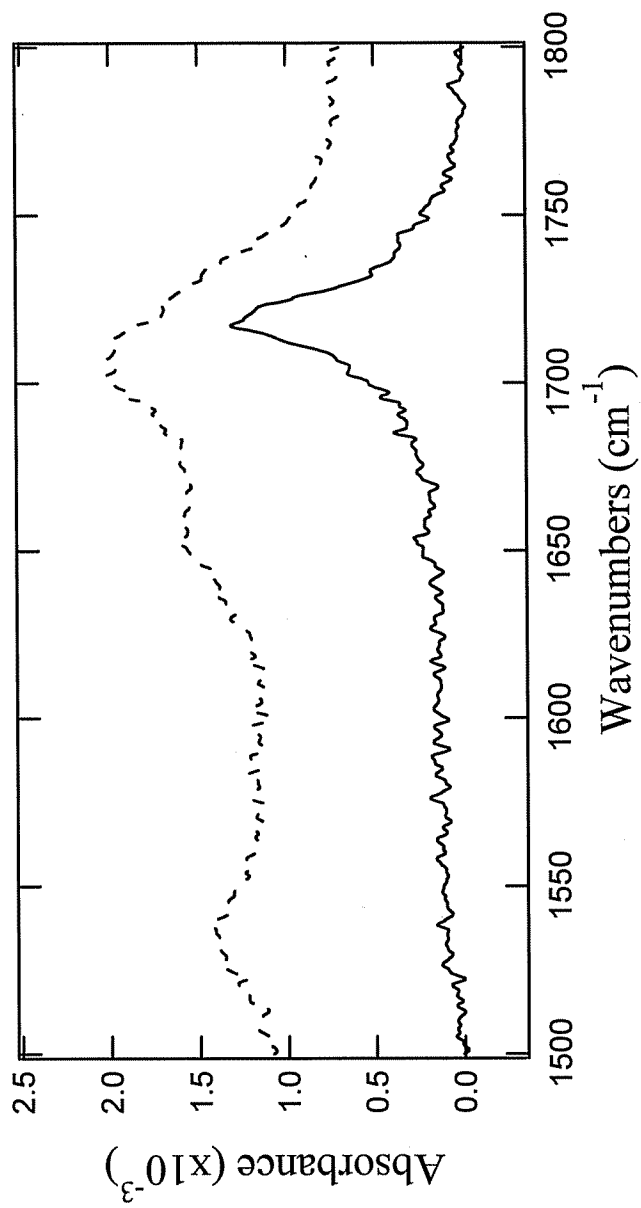


FIG. 9

Replacement Sheet

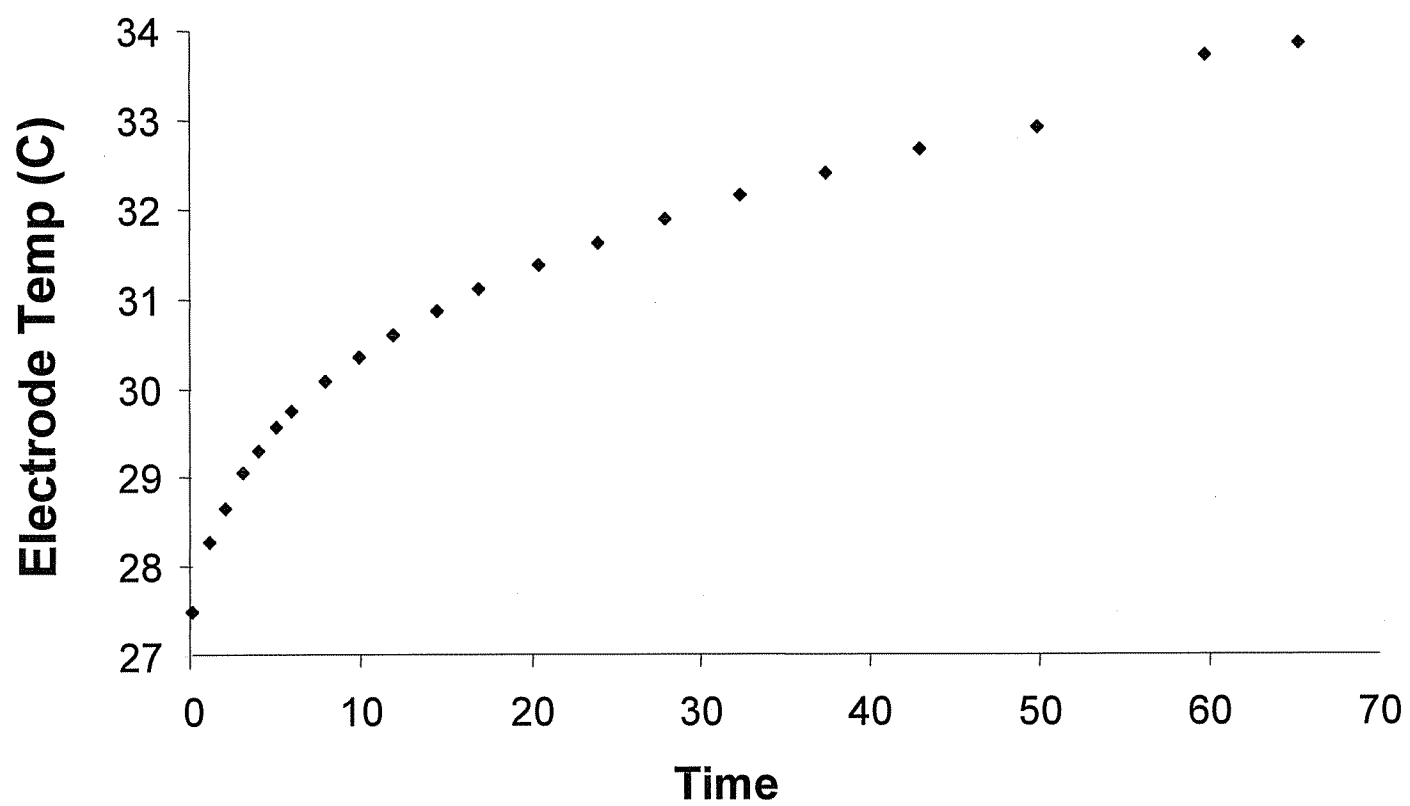


FIG. 10

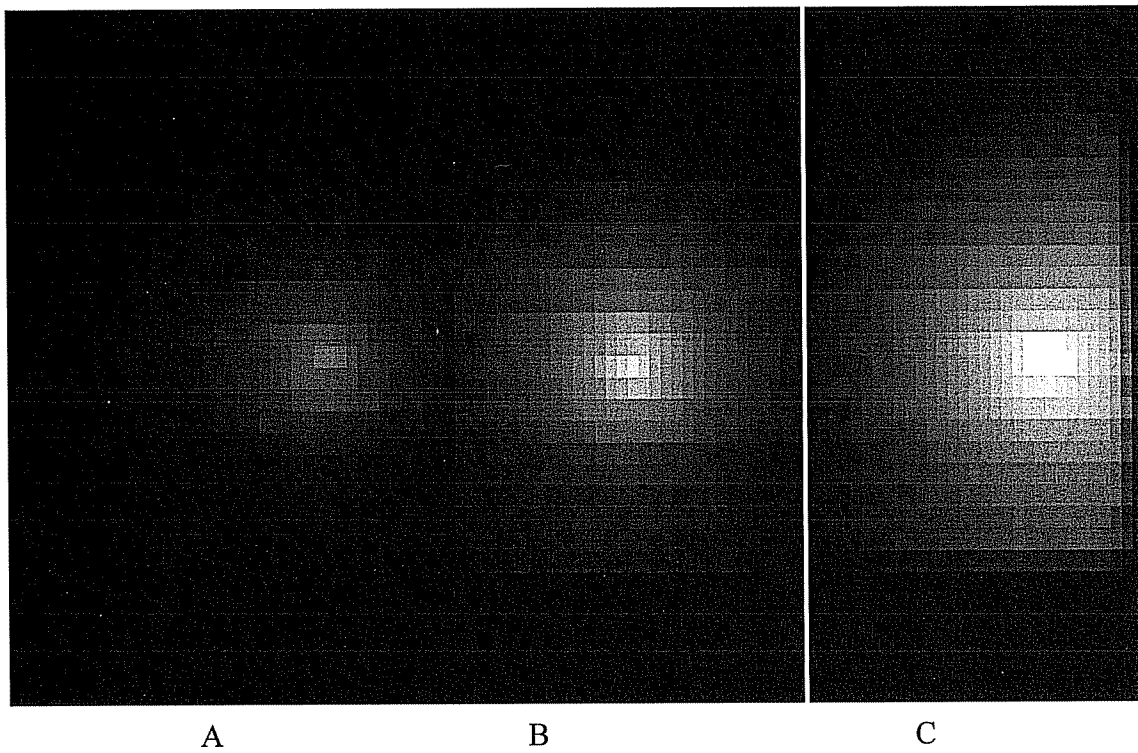
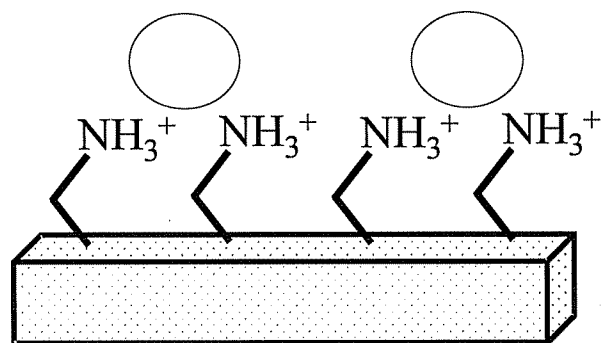
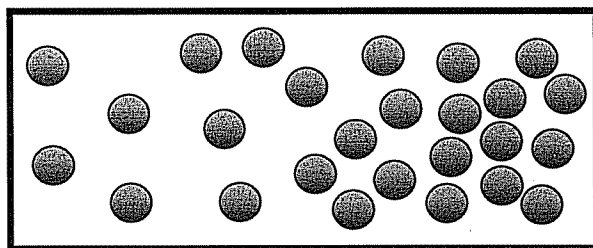


FIG. 11



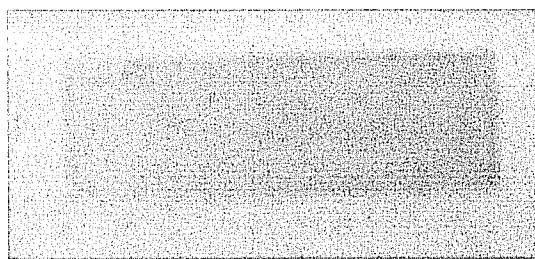
Glass (Side-on)

FIG. 12A



Glass (Top-down)

FIG. 12B



64 mm 0 mm

FIG. 12C

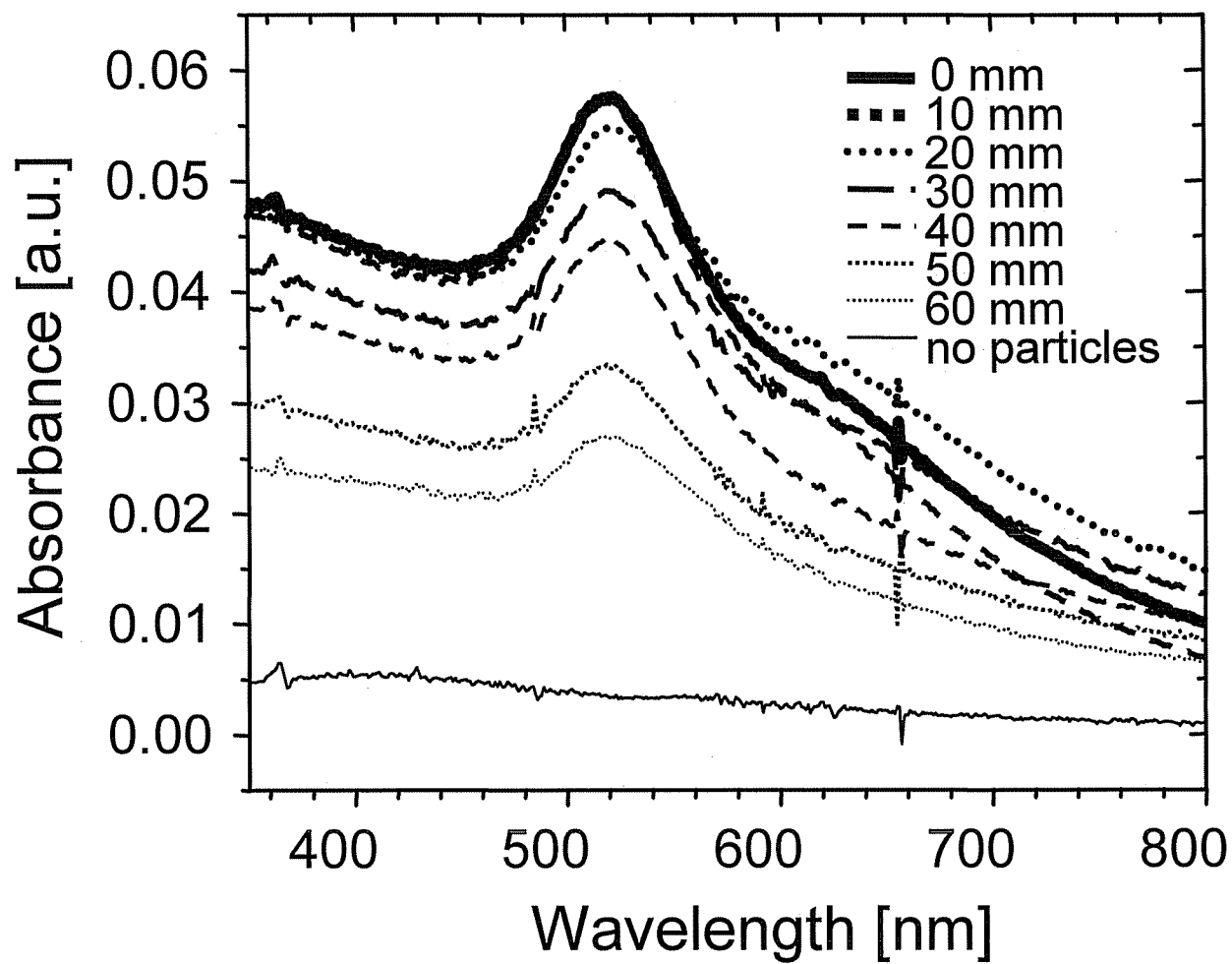


FIG. 13

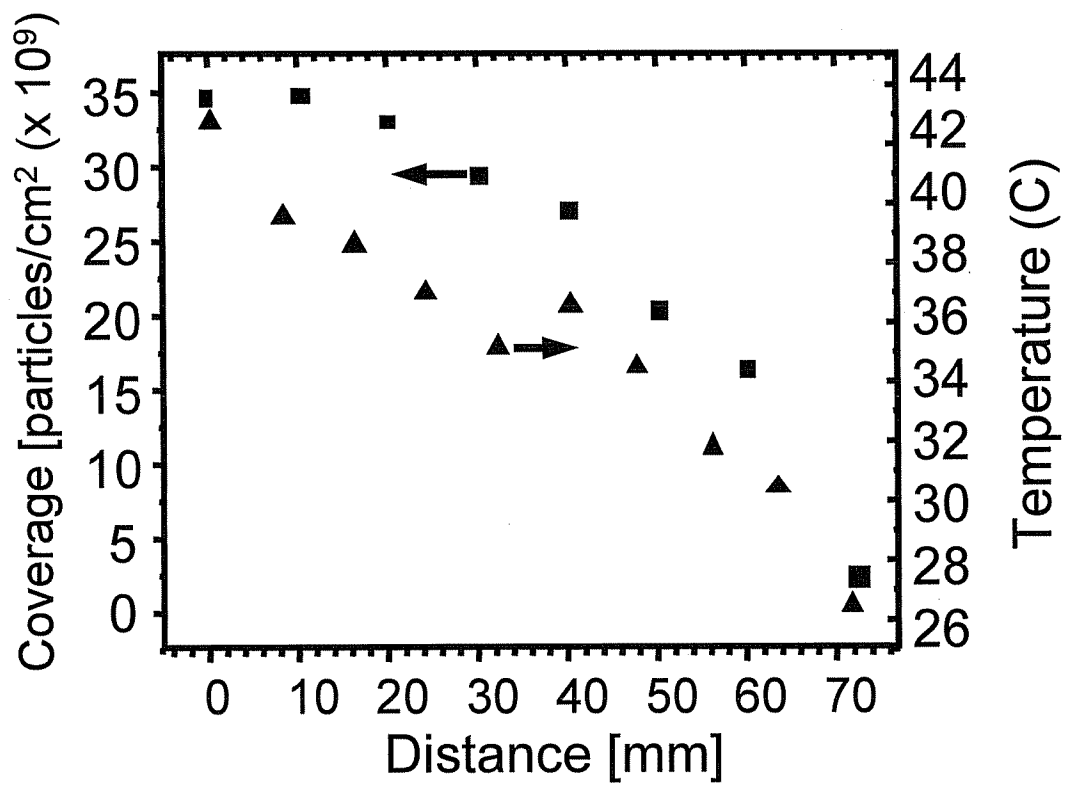


FIG. 14

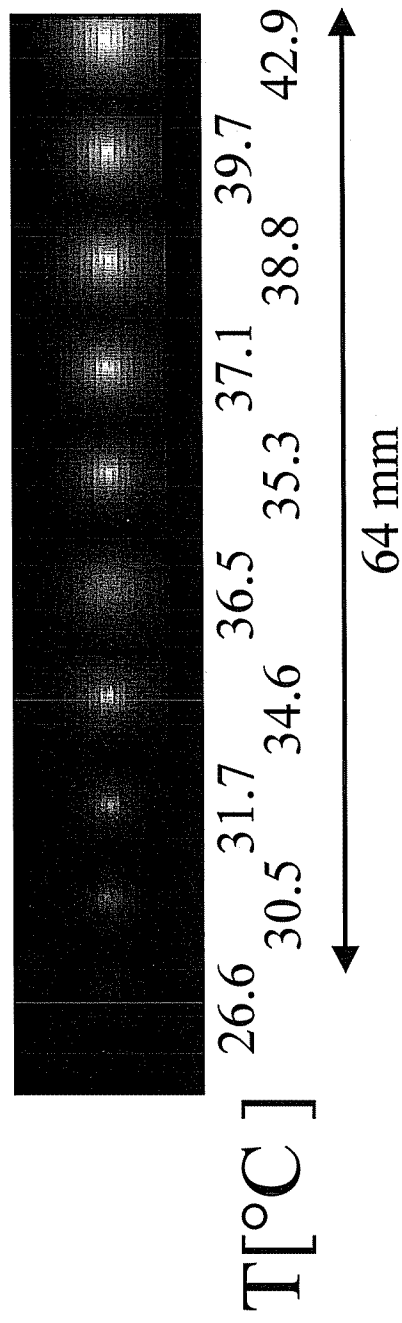


FIG. 15

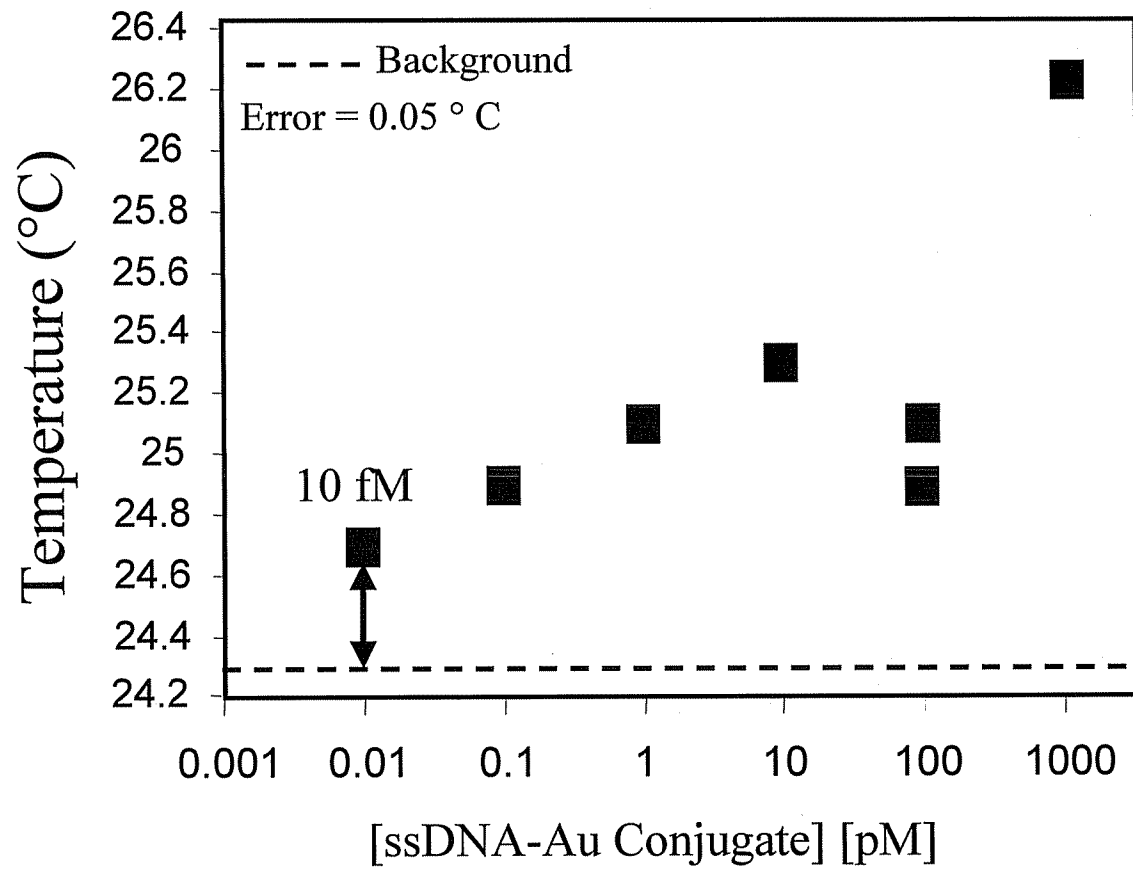


FIG. 16

STEP 1.
TRANSCRIPTION
WITH FLUORESCENTLY
LABELED NTPs

STEP 2.
CAPTURE OF
ANALYTE STRAND

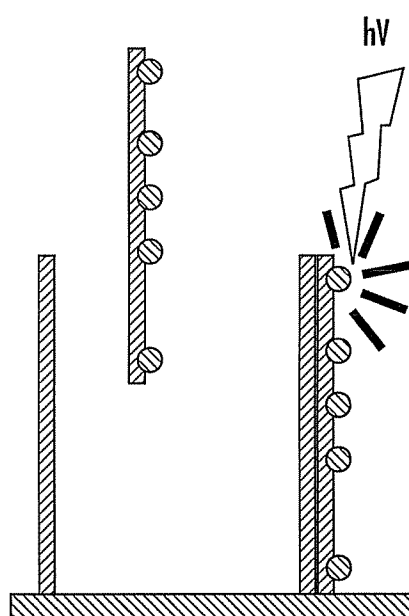


FIG. 17A

STEP 1.
TRANSCRIPTION
WITH CAPTURE PROBE-
LABELED NTPs

STEP 2.
CAPTURE OF
NANOPARTICLES

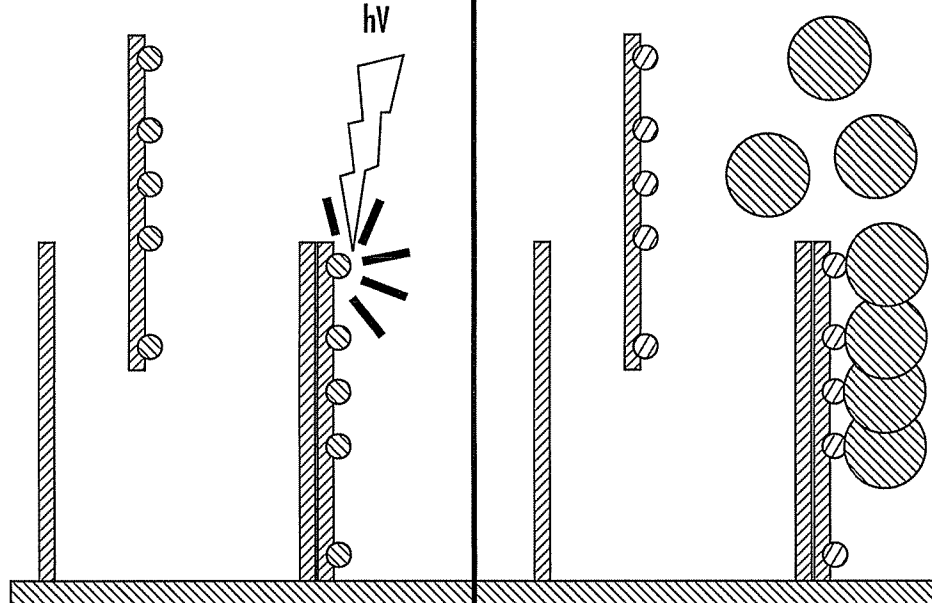


FIG. 17B